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APPLICATION NO. FILING DATE		ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/925,485 08/10/200		08/10/2001	Gary Q. Jin	11590-US 2816		
23553	7590	06/23/2004		EXAMINER		
MARKS &	& CLERK		DILDINE JR, R STEPHEN			
P.O. BOX STATION			ART UNIT	PAPER NUMBER		
OTTAWA,	ON KIP	· 5S7	2133			
CANADA			DATE MAILED: 06/23/2004 7			

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	n No.	Applicant(s)					
				JIN, GARY Q.					
	Office Action Summary	09/925,485 Examiner		Art Unit					
,			Dildino	2133					
	The MAILING DATE of this commun	R. Stephen			dress				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status									
1)	Responsive to communication(s) file	ed on							
2a)□	This action is FINAL . 2b) This action is non-final.								
3)⊠	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is								
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims									
4)⊠	Claim(s) 1-18 is/are pending in the a	application.							
·	4a) Of the above claim(s) is/are withdrawn from consideration.								
5)⊠	5)⊠ Claim(s) <u>1-18</u> is/are allowed.								
•	6) Claim(s) is/are rejected.								
•	7) Claim(s) is/are objected to.								
8)	Claim(s) are subject to restrict	ction and/or election re	quirement.						
Applicat	ion Papers	•							
9)[The specification is objected to by th	e Examiner.							
10)🖂	The drawing(s) filed on 10 August 20	<u>001</u> is/are: a)□ accep	ted or b)⊠ objected	to by the Examine	г.				
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).									
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority (ınder 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
Attachmen									
	1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date								
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 4. 5) Notice of Informal Patent Application (PTO-152) 6) Other:									

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Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claims 1-18 are allowed.

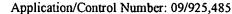
This application is in condition for allowance except for the following formal matters:

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference character(s) mentioned in the description: at page 6, line 2, "interleaver 32". Corrected drawing sheets are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire TWO MONTHS from the mailing date of this letter.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Krieger et al. shows, in FIG, 2, using a "decoding success/failure indicator" to control an interleaver in a parallel Viterbi decoder stage. Fukuoka shows, in FIG 1, a Reed-Solomon syndrome computer having a "no error state suggestion signal". Wilcoxson et al. shows, in FIG 1, using a measured SER output from a Reed-Solomon decoder to control an "Adaptation Logic" which transmits adaptation changes back to the transmitter.



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Stewart shows a Reed-Solomon decoder that produces a control signal indicating whether or not error detection and correction is occurring properly. These control signals are sensed by a control network to change the code rate of the Viterbi decoder if necessary. Zhou et al. and Ferrari et al. discuss concatenation of turbo codes and Reed-Solomon codes. Hua et al. discusses a concatenating coding scheme involving trellis codes and Reed-Solomon codes. Shi et al. shows a turbo decoder followed by a Reed-Solomon decoder that provides a retransmission request to a transmitter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to R. Stephen Dildine whose telephone number is 703-305-5524. The examiner can normally be reached on M, Tu, Th, F 5:55 am to 4:25 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert Decady can be reached on 703-305-9595. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

R. Stephen Dildine

R. Stephen Dildine Primary Examiner Art Unit 2133